



BADGER STATE **Smoke Signals**



Serving Amateur Radio in Wisconsin

Published Monthly Since 1969

Vol. 17 No. 1 - 193rd Consecutive Monthly Issue - Baraboo, Wis. - January 1986

HAPPY NEW YEAR!!



IN THIS ISSUE...

"GETTING THE MESSAGE THROUGH.... OR 'WHY?'"

By Wid Johnson, W9DM

Badger State Smoke Signals supports: The American Radio Relay League (ARRL) - The Wisconsin Nets Association (WNA) - The Wisconsin Association of Repeaters (WAR) - The Amateur Radio News Service (ARNS) - The Courage Handi-Ham System - The Morse Telegraph Club - GEARVAKf (The 'f' is silent)

Badger State Smoke SignalsOfficers:

Ken Ebnetter, K9EN, Chairman
 Jim Romelfanger, K9ZZ, Editor
 Jim Decker, WB9UQT, Treasurer

Send editorial material and
 exchange papers to:

Jim Romelfanger, K9ZZ, Editor
 301 1/2 7th St.
 Baraboo, Wisconsin 53913

Subscriptions:

1 yr. \$ 7.00
 2 yr. 13.00
 3 yr. 19.00

to:

Badger State Smoke Signals
 Jim Decker, WB9UQT, Treasurer
 P.O. Box 337
 Baraboo, Wisconsin 53913-0337

Send address corrections and
 changes to:

Kenneth A. Ebnetter, K9EN
 822 Wauona Trail
 Portage, Wisconsin 53901

Permission is granted to re-
 print items from BSSS provid-
 ing credit is given to the
 author and Badger State Smoke
 Signals.

SWAPFESTS AND OTHER SOCIAL EVENTS

The West Allis Radio Amateur Club's 1986 Midwinter Swapfest will be held Saturday, January 11 at the 4-H forum, Waukesha County Expo Grounds, Highways F & FT, Waukesha, Wisconsin. Doors open at 8:00 a.m. Admission: \$2.00 advance or \$3.00 at the door. Reserved tables: \$3.00. Non-reserved tables (first come - first served) \$4.00. Free coffee and donuts. Food and refreshments served by W.A.R.A.C. at low, low prices. Amateur Exams Administered by the Milwaukee Volunteer Core Group. (Admission ticket not required for examinees) For advance tickets or reservations, write with S.A.S.E. to WARRAC SWAPFEST, P.O. Box 1072 Milwaukee, WI 53201. Don't miss this big 14th annual midwinter swapfest, sponsored by one of our Badger State Boosters.

The 1986 Wheaton Hamfest will be held on February 2, 1986 at the Odeum Expo Center in Villa Park, Illinois.

February 23, 1986: Davenport ARC Hamfest, Davenport, IA.

The Iri County ARC will sponsor their annual Hamfest at the Jefferson County Fairgrounds in Jefferson, WI on Sunday March 16, 1986. Food and refreshments by Jefferson County 4-H. Amateur Radio exams given. Ticket: \$2.50 advance or \$3.00 at door. 6 foot tables: \$3.00 advance or \$4.00 at the dor. Contact Bob Barker, K9RIJ, 724 Burdick, Milton, WI 53563. (608) 868-2871.

The Ozaukee Radio Club's Cedarburg Swapfest dates are

May 3, 1986 and May 2, 1987. Contact Skip Douglas, KA9DDN.

The Central Wisconsin Radio Amateurs, Ltd. Stevens Point Swapfest and Family Picnic will be held Sunday, June 15, 1986.

The 1986 South Milwaukee Swapfest will be held on July 12, 1986.

(We hope this early information will help avoid having 3 section swapfests on the same day next year.)

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas.

Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

CLUB MEETINGS:Badger Amateur Radio Society

(W9YT - University of Wisconsin - Madison)

Regular monthly meetings are held at 7:30 PM on the 2nd Wednesday of every month while school is in session, in B314 Electrical Engineering Building.

Central Wisconsin Radio Amateurs, Ltd.

(Stevens Point)

Regular club meetings are held on the second Wednesday of the month.

Four Lakes A.R.C. (Madison WI)

RED CROSS BUILDING, 4860 Sheboygan Ave, Madison, WI., first and third Tuesday each month.

Kettle Moraine Radio Amateurs:

All meetings are held on the SECOND (2nd) Friday of each month.

Madison Area Repeater Association

The MARRA Christmas party will be Monday, January 20, 1986, at the Heritage House on East Washington Avenue in Madison. Cocktails 6:00 p.m., smorgasboard dinner at 7:00 p.m. Price: \$7.50. Entertainment by the "Ham Band" and perhaps even a bit by W9HSY. Advance reservations are a must to MARRA, Box 3403, Madison WI 53704. (The party had been originally scheduled for December 2, but had to be postponed due to a one - foot snowfall.)

Manitowoc County Radio Amateurs

MANCOWAD meets on the third Wednesday of the month at 7:30 p.m. at Manitowoc Red Cross at 20th and Washington Streets in Manitowoc WI.

Milwaukee Radio Amateurs Club:

All regular meetings of MRAC scheduled for 1986 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month.

Ozaukee Radio Club

Meetings held every second Wednesday at 7:30 p.m. in the Saukville Community Center

Riverland Amateur Radio Club

Regular meetings are held at 7:30 P.M., on the first Wednesday of each month in the Onalaska Community Center in Onalaska, WI.

South Milwaukee Amateur Radio Club

Meetings held at Legion Post 434, Shepard Ave., Oak Creek, on first Wednesday of the month. Auctions held at March and October meetings.

West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

The Wisconsin Valley Radio Association. (Wausau)

Holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club:
(Baraboo, WI)

All regular meetings of YTARC are held in room 30 of the Baraboo Civic Center. (Except for Monday meetings, which will be in room 25.) Meetings start at 7:30 P.M.

The meeting dates for 1986 are: Jan. 13, Feb. 11, Mar. 12, Apr. 10, May. 19, Jun. 10, Jul. 16, Aug. 14, Sep. 15, Oct. 14, Nov. 12, & Dec. 11.

Let us know of your club meeting dates, and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

THE TEST POINT

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

January 11, 1986	Waukesha, WI
January 18, 1986	Rhineland, WI
January 25, 1986	Wis. Rapids, WI
January 25, 1986	Madison, WI
February 1, 1986	Duluth, MN
February 15, 1986	Waukesha, WI
March 8, 1986	Stevens Point, WI
March 16, 1986	Jefferson, WI
April 6, 1986	Madison, WI
June 15, 1986	Stevens Point, WI
November 1, 1986	Stevens Point, WI
Third Sat. Monthly	Loves Park, IL

General rules for all examinations:

All examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs may permit walk-ins. Check with sponsor to find out if they allow walk-ins.)

To register for these examinations, you must first secure a copy of the current FCC Form 610 (the one dated June 1984) and fill it out completely (AND CORRECTLY). Get your form from the FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 22¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group. Remember-- you must file at least 30 days in advance unless otherwise indicated.

ARRL/VEC examinations require a check for \$4.25 payable to ARRL/VEC.

The FCC now requires applicants to show their original Amateur license to the VEC. As in the past, a copy of your license must be attached to the properly filled out FCC form 610.

Additional information is given below.

Saturday, January 18, 1986 - Rhineland, WI
(9:00am)

Held at Nicolet College at the Northwoods center. Walk-ins will be accepted. To pre-register write or call:

Leonard Bauman, K9RMW
1312 Dorothy St.
Rhineland, WI 54501
(715) 369-3296

Saturday, January 25, 1986 - Madison, WI (9:30am)

City of Madison Fire Station #2, 421 Grand Canyon Drive, West side of Madison, across from Chi Chi's near West Towne Mall.

Sunday, April 6, 1986 - Madison, WI
(MARA Swapfest - No admission fee for testees)

Walk-ins Accepted.

Contact: Gary Lincoln, W9UDV
6015 Winnequah Rd.
Monona, WI 53716

March 8, 1986	Stevens Point, WI
June 15, 1986	Stevens Point, WI
November 1, 1986	Stevens Point, WI

ARRL/VEC - Central Wisconsin Radio Amateurs, Ltd.

Contact: Joe Larson N9JW
644 Portage Street
Stevens Point WI 54481

January 25, 1986 - Wisconsin Rapids, WI

Held at: Midstate Technical Institute, 500 32nd St. N., Wisconsin Rapids, WI. 1977 talk in.

NO WALK-INS -- You must register with form 610 by December 31, 1986

Contact: Gene Santoski, K9UTQ
1220 18th Avenue So.
Wisconsin Rapids, WI 54494

Contact: Gene Melton, AK9N
124 S. Chicago Ave. #2
Rockford, IL
(815) 229-7249

MILWAUKEE METRO AREA TEST TEAM.

Saturday, Feb. 8, 1986 Milwaukee, WI (9:00am)

(MRAC - VEC) In room 256 at the Wauwatosa East High School, 74th and Milwaukee Ave. Use the East (74th Street) entrance.

File on a Postal System post card (14¢) mailed to:

The Milwaukee Radio Amateurs' Club, Inc
N50 W16328 Pin Oak Court
Menomonee Falls, WI 53012

PLEASE PRINT listing the grade of license you are applying for, your name, address, including Zip Code and your telephone number.

MRAC -- Your Wisconsin based VEC for Region 9.

MILWAUKEE VOLUNTEER CORE GROUP - (DeVry VEC)

January 11, 1986 - At the Waukesha Swapfest at Waukesha Expo, sponsored by the West Allis Radio Amateur Club, Inc.

February 15, 1986 - At the Waukesha County Technical Institute

March 16, 1986 - At the Jefferson Hamfest, sponsored by the Tri-County Amateur Radio Club

All exams will begin at 9:00 a.m. Walk-ins are welcome. We will have Novice thru Extra Class exams, as well as exams for the visually impaired.

If you are interested, please send a POST CARD with your NAME, ADDRESS, TELEPHONE NUMBER and the DATE on which you wish to be examined to:

Syl Janczak WD9JKZ
3127A West Madison
Milwaukee WI 53215

Exams for shut-ins are given by appointment ONLY.

February 1, 1986

Arrowhead RAC, Duluth MN

Contact: Eddy Lonnstrom
2026 Baxter Ave.
Superior, WI 54880

Third Saturday of every month.

Northern Illinois Volunteer Examiners (DeVry VEC).
Held at North Suburban Library on North Second Street
in Loves Park, IL.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN or K9ZZ at the address shown on page 2.

MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS
Oh what the heck -- items of interest:

Four Lakes Amateur Radio Club
THE FEEDLINE

FLARC had a Field Day score of 8,830 giving them 2nd place in the 9A category.

Green Fox Amateur Radio Club
(Green Lake)
FOXTALES

Clarence, WA9YVC is basking in the warm climates while we slowly freeze in Wisconsin. Listen on 14.270 at 1:00 pm for him.

Tri-County Amateur Radio Club

Tom, WD9FRI will be holding the net on 145.49, but it will be at 8:00 pm on Wednesday night.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

EDITOR'S NOTES

Jim Romelfanger K9ZZ

Sorry to report three Silent Keys this issue...

In 1958, a short guy walked into a TV shop here in Baraboo where I worked part time, and he asked me if I'd give him his Novice test. It was the first test I gave, and he passed. That was the beginning of a long friendship, and a nice one.

His first call was KN9RFZ, and, of course, he later dropped the "N" when he became a General. He moved around the state, living in Oshkosh and Manitowoc. While in Manitowoc, he was active in Mancorad. He, like many of us, got tired of the long and cold Wisconsin winters, and, some time ago, he moved to California with his second wife, Alice. His first wife, Dorothy, had died several years before.

He made several trips back to Wisconsin, and always tried to find me, without success. I did not know he was in the area this past summer, and, while visiting with Clyde, W9HSY, at a Madison restaurant, I stood up to leave, and was standing face to face with Fran Murray and his wife.. leaving us all a bit surprised. I'm glad I saw him. Fran Murray, KE6WD, became a Silent Key on November 27, 1985. My condolences to Alice and to all of Fran's family.

A letter from George Halper, W9SUF, of West Allis, tells of the death of Lois Snider, the wife of Ray, W9MNG, in Mesa, Arizona, on November 15. In a letter to a friend of George's, Ray says of Lois: "She always had a happy smile, was always ready to help anyone who needed her talents.... Her attitude on life was to say kind words to everyone - live each day, day by day, and try to walk 'on the sunny side of the street.'"

Lois always fed us well, even when a big bunch of hungry Hams descended on the Snider residence in La Crosse. Even when confronted with that motley bunch, she was always smiling. If you wish to send Ray a card, his address is: Ray Snider, W9MNG, 3403 E. Main Street, Space 629, Mesa AZ 85203. Ray's phone is (602) 830-3031. Our thoughts and prayers are with you, Ray.

You may have heard that Senator Barry Goldwater's wife died recently. Barry, better known to us as K7UGA, would appreciate your card, I'm sure. You can send it to his Callbook address, or to the Senate Office Building, Washington, D.C. 20510. We send you our sympathy, Barry.

On less serious topics, Joe, W9ODV, writes:

"The cartoon of the fellow in your last edition running thru the wall of his house, I made several years ago for an Army veterans newsletter. He almost forgot to mail in his reservation for the annual reunion. Then it was in the National QCWA publication showing a fellow that almost forgot to mail in his QSO Party log about a year ago. Members from each organization got a kick out of it.

"The latest use was by some radio club about an operator mailing out a hot QSL card. I hope the DXers will get a kick out of it also. It made good mileage, hi! 73 and a Happy and Merry Christmas to your gang there."

Ernie Gershon, K9ZVU, La Crescent, Minnesota, who wrote the crossword puzzle in this issue, writes: "Really enjoy BSSS and all my buddies look forward to receiving it each month, as do I. Passed both Advanced and Extra exams one nite in August. Owe it all to W0JDC, Art Osborn, who kicked my old butt. Said it would be a good blow for the 70-year-olds and perhaps an incentive for the young-uns. Hi hi."

Our thanks to Joe and Ernie for the cartoons and the crossword.. They are much appreciated. Our thanks, too, to another cartoonist who ain't jest too bad with a pen, either.. Rich, K9ODF. If there are other folk out there who might have something to contribute to this noble effort, we'd appreciate whatever you might have.. cartoons, articles, whatever. Please send 'em to my address on page 2. Thanks!

While on the topic of things for us to publish, MNA articles (net reports, etc.) have come to an almost total halt. I'm so tired of harping on this, I don't

have much left to say, except that if you don't want to use the space you have available, that's up to you, but DO NOT COMPLAIN that you are being shorted on your space.

We hear from some Net Managers regularly, but just a couple of them. We have NEVER heard from some others! We have sent you all the publication schedule for your net or appointment. I wish I had some idea why most of you don't use your space, but I don't. I guess it will be one of the Great Mysteries of the Ages.

Are we listing your Volunteer Examination schedules? We want to publish 'em, but first we have to know what they are! Please send your schedules to either myself or to K9EN just as soon as you have them firmed up.

I'm looking for these tubes: 6HVS, 6A05 and 6H26. Anybuddy got any or all of them? Please drop me a note or call (608) 356-4249. Thanks.

We're getting the ad page ready for 1986.. Might you or someone you know want to run an ad on our ad page? If so, drop me a note for details.

Regarding the Cellular Telephone situation, a copy of our last issue was sent to the President of the CellTel group by first class mail. That was over two weeks ago; no response as this is written, nor have I heard from Rep. Robert Kastenmeier, one of the two authors of the bill.

One of the biggies is coming up... the 14th annual Midwinter Swapfest is Saturday, January 11, 1986, at 8:00 a.m. at the Waukesha County Expo Center Forum. I don't expect to be there, but you will probably see the other 66.67% of the BSSS staff - Ken, K9EN and Jim, W89UQT.

BSSS could use the following, if there are any folk who might have them to donate: 20 pound white offset bond paper, AB Dick 2060 stencils, electric stapler(s), 20 pound tractor feed word processing paper, and 2 across tractor feed mailing labels.

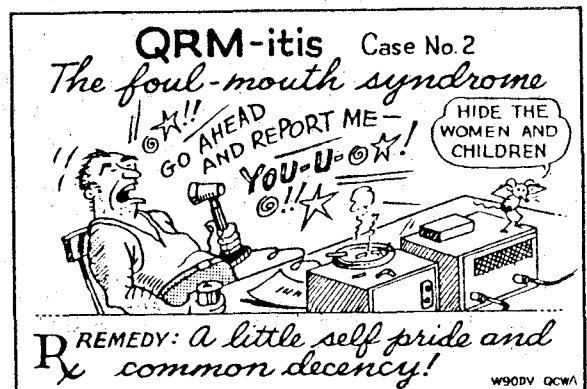
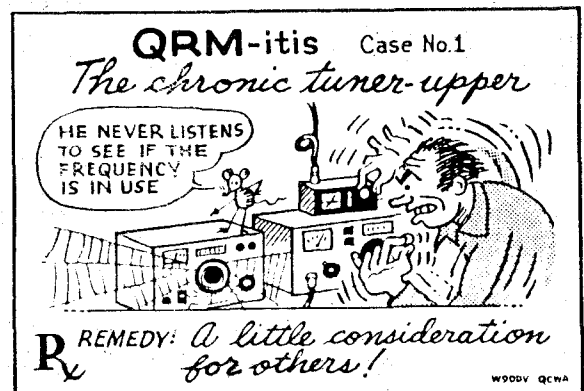
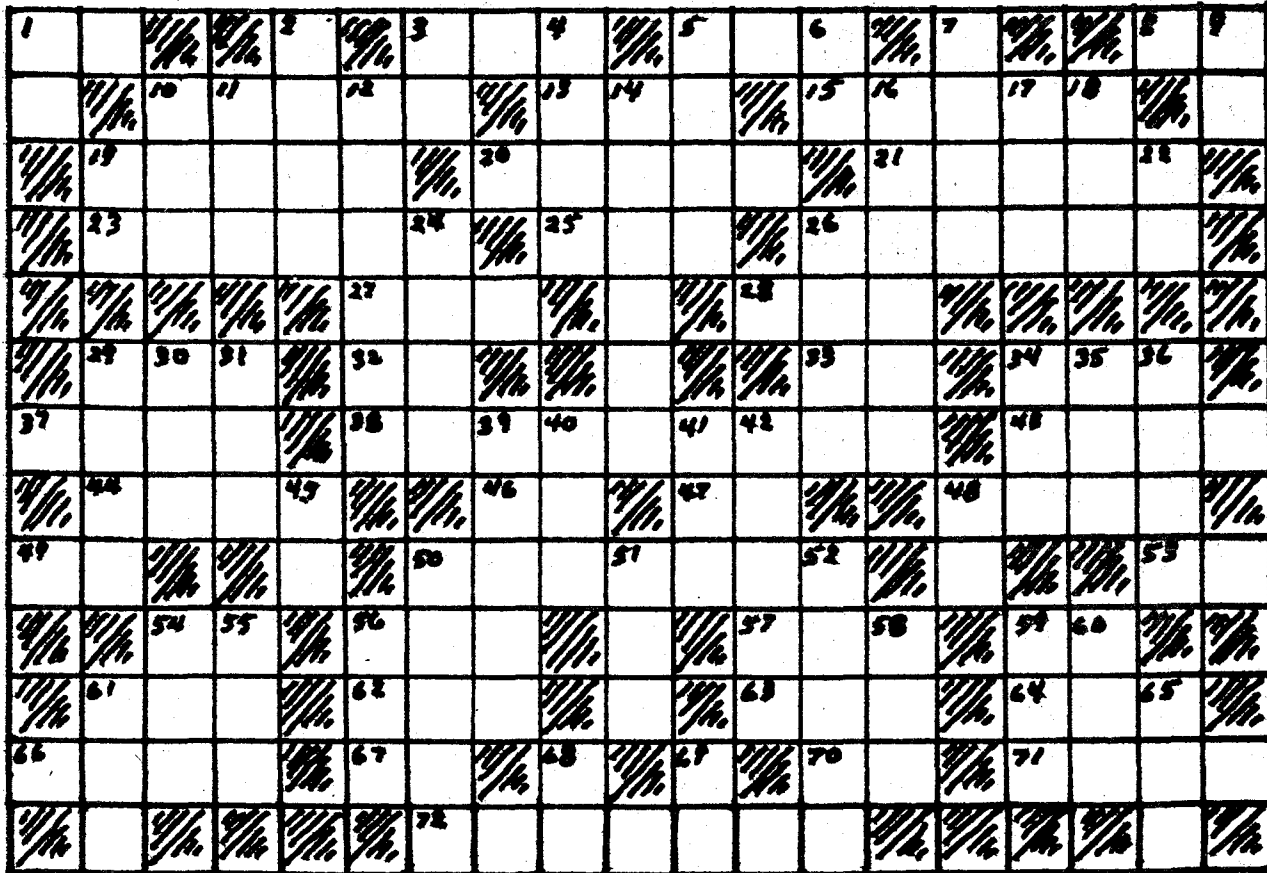
I leave you with this: A large manufacturer of integrated circuits was thinking of building a plant in Buffalo county - to make, what else - buffalo chips.

73, Jim, K9ZZ

The West Allis Radio Amateur Club's 1986 Midwinter Swapfest will be held Saturday, January 11 at the 4-H Forum, Waukesha County Expo Grounds, Highways F & FT, Waukesha, Wisconsin. Doors open at 8:00 a.m. Admission: \$2.00 advance or \$3.00 at the door. Reserved tables: \$3.00. Non-reserved tables (first come - first served) \$4.00. Free coffee and donuts. Food and refreshments served by W.A.R.A.C. at low, low prices. Amateur Exams Administered by the Milwaukee Volunteer Core Group. (Admission ticket not required for examinees) For advance tickets or reservations, write with S.A.S.E. to WARAC SWAPFEST, P.O. Box 1072 Milwaukee, WI 53201. Don't miss this big 14th annual midwinter swapfest, sponsored by one of our Badger State Boosters.

A good deed every day makes blessed all the year.

BSSS CROSSWORD PUZZLE - KEY ON PAGE 7, SOLUTION ELSEWHERE THIS ISSUE



BSSS CROSSWORD PUZZLE
By Ernie Gershon, K9ZVU
160 Crescent Avenue
La Crescent, Minnesota 55947

(Puzzle is on page 6)

ACROSS

DOWN

1. Closing down the station (cw)
3. Please slow down (cw)
5. ARRL has one (political)
8. All after (cw)
10. Computer program fails
13. - - - - -
15. "CU on the _____"
19. First letter
20. Humorous QSO brings a _____
21. Part of BSSS
23. The new rigs have them
25. Hams go easy on this if they drive
26. Kids of wealthy Hams
27. _____ going on that upgrade!
28. Don't want it in the rotor
29. Travel Hams use them
32. Navy rate
33. One
34. Top recommendation
37. Pre-eminent traffic handler
38. _____ ARC
43. Assistant Technical Coordinator
for Wisconsin
44. Jim will _____ BSSS publication
46. Oscillator gain
47. Old Chicago train
48. I worked all zones
49. _____ ode
50. Part of BSSS
53. May need to make some after
working a contest
54. Kind of current
56. Auto works
57. He always _____ too much at hamfests
59. Single sideband
61. - . . . - . . . - . . .
62. Some Handi-Hams can send cw with it
63. Affirmative
64. ARRL certificate
66. ARRL certificate
67. Amplifier power
70. "Valve" (Br.)
71. Radio mode
72. May be necessary to do that
with antenna

1. Calling anybody (cw)
2. _____ p s
3. Questions
4. Body (L)
5. Handy for outdoor antenna
6. Many Hams graduated from this
7. Against
9. End of message (cw)
10. Slow _____ fuse
11. Out of phase antenna
12. Part of BSSS
14. Secretary of RARC
16. Go up the tower
17. Dipoles are operative
18. Station (abr)
19. All before (cw)
22. And (cw)
24. Automatic breakin keying
26. Look over the frequencies
29. Chairman, BSSS
30. _____ ball
31. Spanish Ham friend
34. The "Big Boy" has it
35. Egg
36. Editor, BSSS
39. Not cw
40. Ova
41. Some use it for Field Day
42. _____ the fears of the upgrader
45. Preposition
48. Computer terms
50. Part of BSSS
51. Many Hams like this kind of operation
52. KA9TSW
54. Limiter
55. Some Hams may have been members of
this during the Great Depression
58. Adjective suffix describing superb rig
59. Antenna measurement
60. The working stiff has to wait until then
for serious operation
61. He works long distances
65. Computer program term
68. This is (cw)
69. Southern continent

This publication was judged "Excellent" in the recently concluded Amateur Radio News Service (ARNS) annual publications contest... There is a program called "Print Shop" for Commodore computers for setting type for headlines, etc. Anybuddy know of a similar one for the TRS-80 Model 3 or 4? Please let me know... Thanx! k9zz



On December 4, 1985 at 7:46 p.m. the regular monthly meeting of the Riverland Amateur Radio Club was called to order by President Craig Goldbeck. Minutes of the November meeting were approved as read from the Badger State Smoke Signals. The Treasurers Report was approved.

37/97 Report: At this time a trip to the site is being planned to install the emergency battery backup and to experiment on different things to try and determine why our repeater is causing interference at the station. A letter of explanation on the repeater has been drafted up to be sent to WXOW. A proper cover letter will be added to it and sent to the management of WXOW.

Volunteer exam will be held on Dec. 11, 1985 at the Community Center, eleven people have signed up to take the exams.

OLD BUSINESS: The club still has some solder that was donated to us - anyone that would like to purchase it can do so after the meeting.

Hugh Barker, KA0EJZ, has donated to the Club a large coffee pot that can be left at the center for our meetings. THANKS to Hugh for that much needed donation.

In reference to the 1 year old bill the club had because a member did not transfer the money properly, it was decided the club would pay the bill. Also it was decided the member responsible would not be allowed membership after the 1985 year.

NEW BUSINESS: A committee has been set up to study the complete by-laws of our Constitution to clarify any of the wording so the membership understands them.

It was noted that the new ARRL Handbook can be obtained locally by the Red Oak Book Store.

The Annual Pre-Fix Contest our club holds starts tonight and runs thru to our March meeting. Rules were explained by Ken Weigel.

Our Christmas Dinner will be held on the 18th of January at Sullivan's Restaurant in Trempealeau, Wisc. at 7:00 p.m. We will run

the dinner similar to last year with the \$5.00 deposit per person which goes toward your dinner bill. It will be decided at the January meeting on whether we will use the main dining room or a separate room. Anyone wishing to attend should bring the \$5.00 per person to the next meeting or mail it to:

Greg A. Miller
2522 Wood Street
LaCrosse, Wisc. 54603

The meeting was adjourned at 8:35 p.m. Total members present was 23. Program was a talk given by Rick Williams on traffic handling.

Respectfully Submitted:
Greg A. Miller
Sec. Treas. RARC

Members Present

Gary Countryman
Ken Weigel
Greg Miller
Gary Mattie
Dallas Miller
John Young
Craig Goldbeck
Ray Wakeen
L. F. (Nook) Bentzen
Ernie Gershon
Bob Colleran
Charlie Burch
Rick Williams
Steve Pavela
Bob Anderson
Jim Brooker
Gary Webb
Van Elston
Duane Fruechte
Art Osborn
Ron Reed
Jim Theisen
Hugh Barker

KD9RL
N9CDT
KA9FOZ
KA9RQY
K9LEC
W9KAZ
N9ETD
WA9HHM
K9EGO
K9ZVU
W9JLH
KV9U
KA9TSW
WA0VHO
N9DBK
N9DHQ
WA9FIO
W9HWQ
W0JDC
KD9OY
KD9EG
KA0EJZ

Guests Present

Rich Marchese
Bill Wood

N9FGD
WB9VYI

Additional Notes

A REMINDER TO EVERYONE - The January meeting is the Annual election of officers - It is very important that everyone attend so their vote can be counted for whomever they choose.

RIVERLAND AMATEUR RADIO CLUB

(Continued from page 8)

Congratulations to the following people on successfully upgrading at our December exams:

Clair Reed KC9HX, upgrade to Extra
Bruce Bjerstedt K9CUT, upgrade to Extra
Gary Webb N9DHQ, upgrade to Extra
and Jeanne Pavela N9FDI, who went from Technician up to ADVANCED

Congratulations to all of you!!!!

The Year in Review

By the time this issue of Badger State Smoke Signals reaches you, it will be the end of another year. Looking back over 1985 and the accomplishments our club has made, I am pleased with the results.

The year began with the combined efforts of RARC and BSSS in bringing the minutes of our meetings to each of our members by mail, the results of which have been very successful.

Membership cards were given to each member in January, this combined with the club patch that was made from our club logo in 1984, each member can readily identify themselves as RARC members at all Amateur Radio events.

Our club dues were increased slightly in January - an increase that was needed to take on the years scheduled events.

Our Christmas dinner on the 19th of January was a big success with a total of 34 people showing up even though it was a long drive in below zero weather.

March saw our Volunteer Examining Program get off the ground with our first exam on March 13. Thanks to Rick Williams for all of the work he has devoted to this program in assuring its success.

April hit us with the highest attendance we had all year - 36 - and a very informative program on A.R.E.S.

We had a very interesting Field Day in June at the parking lot of the Valley View Mall, low score, but lots of fun and Amateur Radio exposure to the public.

We qualified as a Special Service Club with the ARRL in July, an honor I hope we can continue to maintain in the years to come.

Our 2nd Annual Swapfest was held in July, attendance was low, but a lot of experience was learned and our 3rd Annual

will benefit from it.

We learned about Packet Radio at our September meeting thanks to a special guest that came up from Madison.

Throughout the year we saw many improvements made to both repeaters thanks to our very effective repeater committees. They have done a very good job all year.

Our membership not only maintained its total number but continued to grow throughout the year to its present number of 81.

Yes, our club has increased in activities, members, and programs, but there are two things that our club has improved and succeeded on that I feel is very important:

We have increased the public awareness of Amateur Radio, and the local Ham community has been growing closer and closer together for the common good of Amateur Radio.

We all have gained new friends over the year and some old friends have renewed acquaintances, and isn't that what Amateur Radio is all about?

73, Greg

Next Meeting

will be Wednesday, January 8 at the Onalaska Community Center at 7:30 p.m. The date was moved back because the first Wednesday fell on New Years Day. Mark this on your calendar.

EDITOR'S NOTES

- Jim Romelfanger K9ZZ -

Might there be anyone who also has a Radio Shack Model 4, as do I, who might also have Videotex? If you fit that description, I'd like to hear from you. My address is on page 2. As also mentioned on another page, does anyone know of a program for the Mod 4 akin to "Print Shop," used for setting headlines and other large type in conjunction with a dot matrix printer?

All of us here at Badger State send all of you our very best wishes for a great 1986, and hope that it brings you only good.

And.. Patt Meara, WP2ADA, of St. John, U.S. Virgin Islands, sent my T-shirt.. Thanx, Patt! He also upgraded recently; well done! With temperatures here in the -15° range at nites, you won't see me wearing that T-shirt until next June! -k9zz..

GETTING THE MESSAGE THROUGH..

OR "WHY?"

By Wid Johnson W9DM

Dakota, Minnesota

[From WNA Ltd. Bulletin, June, 1979]

Just sittin' here listening to the NCS calling up the net and making note of the traffic being offered... sure nuf there's that message to New Olden that was offered last night with no takers, let's see if someone takes it to-night.

Boy these guys who tune up zero beat with net control sure don't help any - Oh heck, guess that's what QNZ means.....?

Gettin late and no response for New Olden - guess I'll take it and call it in if it has a phone number..... dah dit dit... DM ga.... wl take New Olden if it has fone no.... Super QNY U8 (No that wasn't V8).... QNR New Olden from 6K9Z.... GG.... QRV.... QSL es wl call nw.....

Let's see Tel No is TKO-7712 hmm.... wonder what the area code is?.... Hello operator, can you give me the area code for New Olden?.... 608! My goodness thats the same as mine - must be close to.... ah thanks operator.

Now, here we go.... TEE KAY OH.... hmm this town must be a ghost town, telephone numbers with letters have gone to the great beyond years ago.... oh well gosh darn it I forgot to dial the area code. How do you like that? After hanging up I remembered - "You don't dial the area code when calling in your own area.".... Here we go again.... 1-TKO-7712....

SOLUTION TO CROSSWORD PUZZLE

C	L			A		Q	R	S		P	A	C		A			A	A
Q		B	O	M	B	S		O	M	O		B	A	N	D	S		R
	A	L	P	H	A		S	M	I	L	E		S	T	A	T	E	
	B	O	A	R	D	S		A	L	E		S	C	I	O	N	S	
							G	E	T		L	I	C	E				
	K	O	A		E	M				E		A	N		A	O	K	
W	9	D	M		R	I	V	E	R	L	A	N	D		K	V	9	U
	E	D	I	T			O	G		E	L			I	W	A	Z	
A	N			O			S	I	G	N	A	L	S		O			Z
		A	C		A	M	C		E		A	T	E		S	S		
	D	L	C		T	O	E		T		Y	E	S		W	A	S	
D	X	C	C		I	K		D		S		V	T		R	T	T	Y
	R						E	L	E	V	A	T	E					O

Click Click Click dee dee beep beep Brrring... Hello.. Good evening is this the Ollie Lone residence?.. Naw ya got da wrong number.... What number did I get?.. 850-7712.... That's strange, that's the number I dialed. Are you sure you're not Ollie Lone?.... CLICK....

Gee he sure had a short temper.. Better call information and see if the number is correct.... Gosh it takes a long time to get dial tone to-night.. must be busy.... there it is!

Now 1-608-555-1212.. blip Brrring.. Sorry we cannot process your call as dialed. Please consult your directory or call directory assistance.. darn recording... wonder what I did wrong....

Ah yes, "When calling in your own area omit the area code".... I'll get it this time.. 1-555-etc.. directory assistance - City or Town please.. New Olden for Ollie Lone, Mounted Rt. 6 Box 88.... That number is 850-7702....

How do you like that? The guy who sent this message don't know his own phone number. He said one instead of zero for the next to last number. Here we go again.. can't cross my fingers and dial at the same time so will have to take a chance and gamble a bit....

1-TKO-etc.. Brrring.. Brrring.. Lo.. Good Evening is this the Ollie Lone residence?.... Yah.. is Ollie there?.. no.... um, this is a radio Ham in La Crosse and I just received a message for Ollie from Pennsylvania.....

Is this a joke?.. No, really, I did just receive this message on my radio, it goes like this - "Hi, how is the cold weather?.. It's COLD, what a stupid question.. Don't know about that there's more, he says - "Happy Easter X-Ray See you soon" it's

signed Ever A Lone (Think that A was supposed to be et making the name Everett)....

Did you say he had an X-ray? I didn't know he was sick.. No mam that X-ray in the message means period.. Tell him thanks.. I'd be real happy to let him hear from you. Give me his address and I will get a message out to him promptly....

I don't know his address and he don't live in Pennsylvania.. I'm sorry mam, but I need an address in order to send a reply..

Ha, I knew this was some kind of fake. I'm going to call him tomorrow and get at the bottom of this CLICK.... Hmmm, that takes care of that. One more delivered.... That makes how many points?.....

W7ON

LOBBY MAY KILL PATCHES

Bill Pasternak, WA6ITF

(Excerpted from Worldradio, January, 1986)

Amateur Radio and cellular telephone appear headed for an all or nothing showdown over a proposed new federal law that seeks to limit the ability of the general public to monitor telephone and other forms of communications transmitted by radio. That includes Amateurs listening to other Amateur's VHF autopatch and HF patch calls.

This is a confrontation that has been long in the making, and one which will be fought in the halls of congress in the form of House Bill HR-3378 and Senate Bill S-1667.

The action directed against the Amateur service may be the result of activism taken by Hams in California to defeat California Senate Bill SB-1431. That bill was meant to protect Cel-Tel on a more localized level.

The cellular lobby may be attempting to reprimand the U.S. Amateur service for our opposition to their tactics. It was Amateur Radio in general, and the intervention of Los Angeles attorney Joe Merdler, N6AHU, in particular, which brought about the defeat of SB-1431.

It was rumored, but never confirmed, that this defeat at the hands of the California Amateur community was a major embarrassment for some high ranking officials in the cellular telephone special interest lobby; one which almost cost some of their jobs.

While not proven, there is good reason to believe this is the case. It would also explain the obvious Cel-Tel hostility against Ham Radio.

(Amateur Radio and some other services are supposedly to be exempted from the bills, but read on. k9zz.)

The kicker is that the CTIA wants the monitoring of Amateur Radio autopatch calls made illegal unless you are a party to the conversation. In fact, they are demanding that the legislation direct that the FCC set aside designed (sic) subbands where Ham autopatches would be operated in total security from other Hams and from the public!

The latest word we have from Washington is that as far as the CTIA and other cellular and telephone lobby - support groups are concerned, this is a non-negotiable point. They say, if it's telephone or personal communications, even at a hobby level, its communications content must be protected, whether the users of the service want the protection or not.

In other words, the cellular telephone lobby is sticking its nose where it's not wanted. We have an obligation to protect the very fibre of both the U.S. Constitution and the Communications Act of 1934. These protect the right of the public to own and use radio gear, as long as the content of communications is not divulged, excepting those of CB and Amateurs, as outlined in Section 705 of the Communications Act itself.

We are going to have to treat the various pro-Electronics Privacy Act advocates the same way as we have other groups such as citizens band, land mobile, and radiolocation who have tried over the years to undermine the Amateur service. They were strong adversaries, and this pro-cellular telephone organization lobby is no different. We beat all of the former by doing the one thing they did not expect. We told the truth to everyone and anyone who would listen. We will have to do this again.

To beat Cel-Tel will require the dedication of many of you.

First, learn all you can about cellular radio telephone communications and industries allied to it. Then, go to every newspaper, radio station, television station and the like and expose the big "Cel-Tel Lie." Let it be known that without the cellular radios going to voice scrambling, there is no way that there can be 100% secure radiotelephone conversations. Neither congress nor the phone company can legislate morality.

Also, you might want to register a complaint with your local Better Business Bureau or Public Utilities Commission if you come across advertising for a cellular radio phone service that claims to be totally secure but is not encrypted.

Finally, and most important, you must write your Senators and Congressmen and get your friends and neighbors to do so as well. IN A TRULY FREE ENTERPRISE SYSTEM, CELLULAR TELEPHONE MUST STAND OR FALL ON ITS OWN MERITS. Insist that they vote to kill Senate Bill 1667, and House Bill H. R. 3378. And while you are at it, you might also ask that they investigate the advertising practices of the cellular telephone industry. It is beginning to look as if that is really the place where a lot of bureaucratic regulation is needed.

Make your letters thoughtful, and well reasoned. If our legislators receive angry or insulting letters, great harm could be done. We must remain factual and logical in presenting our case. Please sit down and write your Congressman and Senators today.

PRIVACY ACT DOES NOT TARGET PHONE PATCHES

The ARRL Letter
December 19, 1985

We first mentioned the Electronic Communications Privacy Act of 1985 in the November 7 (ARRL) Letter. Here's more. This League Lines item is preprinted from January 1986 QST and is copyright by the American Radio Relay League, Inc:

(continued on page 12, column 2)

YELLOW THUNDER AMATEUR RADIO CLUB, INC.

The December 12, 1985 meeting of the Yellow Thunder Amateur Radio Club, Inc., was held in room 30 of the Baraboo Civic Center in Baraboo, Wisconsin. The meeting was called to order by President Art Kleefisch, W9WSS.

The following members and guests were present:

Art Kleefisch, W9WSS	Baraboo
Duane Grotophorst, WA9HKL	Sauk City
Jim Decker, WB9UQT	Baraboo
Ken Ebner, K9EN	Portage
Harry Westlund, K9EHJ	Baraboo
Harry Mayland, K9FFT	Baraboo
Peter Sweeney, WD9JIB	Reedsburg
Bill Klinkner	Sauk City
Ruth Familetti	Wisconsin Dells

The minutes of the previous meeting were accepted as printed in Badger State Smoke Signals. The Treasurers report was accepted.

Communications and announcements: A few items were read from Westlink Report and The ARRL Letter. Exchange papers were passed around for anyone interested to read.

Old Business: Novice class planning continued. The classes will be on Thursday evenings with the first two being at the Civic Center in Baraboo and then wherever the majority decide. News releases will be sent to the schools, newspapers and radio stations. Art will chair the committee, assisted by Ken, Harry and Duane.

New Business: Meeting dates for 1986 were discussed and Art will confirm dates with the Civic Center.

Election of 1986 officers: The present officers had been nominated at the November meeting. There were no additional nominees made at the meetings. A motion was made by Harry Mayland that the nominees be elected by acclamation. Seconded and passed.

New member: Ruth Familetti, Wisconsin Dells was accepted.

The next meeting will be on Monday January 13 in room 25 of the Baraboo Civic Center. The subject will be Packet Radio. There will be demonstrations planned by K9EN and others.

The door prize drawing of \$6.00 was won by WB9UQT who was selected by Art's "random" number generator on his calculator.

The meeting was adjourned by Art.

Following the meeting there were cookies and an exchange of gifts among the members. There was also a brief demonstration of the clubs Novice transceiver.

Respectfully submitted,
Kenneth A. Ebner, Secretary

YTARC BIRTHDAZE:

Evelyn Fox	WB9QZA	January	19
Jerrold Lamb	KA9LUT	January	21

Sentence Sermon:

God bless thy year,
Thy coming in,
Thy going out,
Thy rest,
Thy traveling about,
The rough, the smooth,
The bright, the drear,
God bless thy year.
--author unknown

ARRL LETTER (continued from page 10)

In communications to ARRL and to their representatives in Congress, Amateurs are running up verbal "hurricane warning" flags regarding the Electronic Communications Privacy Act of 1985, S. 1667 and H.R. 3378.

"Small craft warnings" would be far more appropriate: The bill indeed requires some attention from the Amateur community, but it poses far less threat to Amateurs than some people think.

More next month, but for now be assured that: (1) The bill does not propose to outlaw phone patches; (2) It would not make possession (by anyone) of any kind of equipment illegal; (3) The bill can't possibly reach the House (or the Senate) for a vote before February or later; and (4) ARRL is working closely and personally with Committee staff to smooth out rough spots.

ARRL had been asked to testify at a December 5 hearing scheduled by the House Subcommittee on Courts, Civil Liberties and the Administration of Justice on the Electronic Communications Privacy Act of 1985, but that hearing will probably be rescheduled to January 29 or 30 of next year. Whenever, ARRL will be there.

Why was the hearing rescheduled? It was preempted by the Chairman of the full Judiciary Committee, Peter W. Rodino, Jr., D - New Jersey. The Judiciary Committee had received a 1400 page report on doings at the Environmental Protection Agency, and on a procedural point it was insisted that the entire report be read!

Wrote ARRL's Washington Area Coordinator:

"Part way through the reading, after an hour or so, however, a compromise was struck, waiving the reading... so some useful purpose could be accomplished by the hearing. None of this is germane to our work; I mention it because I was fascinated, and also to show that the cancellation of the hearing on the Privacy Act was not part of some deep dark plot by the Cellular Telecommunications Association to muzzle Radio Amateurs!"

Bill, W----, got quite a shock the other day. He asked his wife where she was going, and she said she wanted to get in on a big sale. Bill said, "Bye bye" and DID SHE EVER.

Don't delay. Today will be yesterday tomorrow.

WISCONSIN NETS ASSOCIATION LTD.WISCONSIN NETS

NET	MNA	FREQ	UTC	CST	MANAGER
BWN	YES	3984	1200Z	0600	WD9IID
BEN	YES	3985	1800Z	1200	WB9ESH
WSBN	YES	3985	2330Z	1730	WA9ZTY
WNN	YES	3723	0000Z	1800	KA9OBP
WSSN	YES	3645	0030Z	1830	N9BDL
WIN-E	YES	3662	0100Z	1900	WB9ICH
WIN-L	YES	3662	0400	2200	KC9CJ
NWTN	YES	34/94	0030Z	1830	W9JSF
WCWTN	YES	31/91	0030Z	1830	N9DHT
GR.8AY	NO	72/12	0245Z	2015	WB9NRK
			THU	WED	
WRN	NO	3625	0000Z	1800	K9UTQ
			RTTY Mon. Wed. Fri. UTC		
			Sun. Tue. Thu. Local time		

Sorry we did not get the NWTN net report or the October SM notes in last month's Smoke Signals. We have not received any other net news. Hopefully, we will have some fat end of year reports from them soon.

NORTHWOODS TRAFFIC NET (NWTN) REPORT

Carl J. Lindstrom, W9JSF, Net Manager
110 Woodland Heights Manor
Rhinelander WI 54501

During the past ten months, the net manager of the Northwoods Traffic Net has been compiling a list, in alphabetical order, of all the stations which have checked into the net each evening.

The purpose was to be able to supply each of the Net Control Stations with a copy, which would help them come up with the handles of those stations which check in infrequently. This turned out to be quite a little chore, since I had no computer to do the collating for me.

Compiling the list had some interesting side benefits in the information the list provided, especially if one considers the fact that we are a local net covering parts of three counties.

The total number of individual stations which have checked into our net during that ten month period was 160 stations. Many states have been represented as a result of mobiles checking in, ranging from California to Alaska, and from Arkansas to New York, with many in between. Their station call letters have had 34 different prefixes.

The principal benefit from all this has been the sharing of that universal Ham spirit, which extends a friendly, good natured, inquisitive concern for everyone you contact. This has added greatly to the happiness of our shared communications experience.

We are happy to be able to welcome another new member to our net in the person of Doug Alderton,

KA9SKU. He is the fifth new member to join us during the past ten months. They, and all of our members, are maintaining an excellent record of net activity. This includes a good increase in the amount of traffic handled.

Each month's report has shown a gain in the pieces of traffic offered and passed, and, for the month of October, traffic offered totalled 105, and we cleared 101 messages. For the same period in 1984, the totals were 53 and 53. We fell just short of doubling the 1984 totals.

Well, the old saying goes, "If at first you don't succeed, try, try again." We'll just keep at it, gang!

This fine emphasis reflects the consistent and concentrated effort of every net member and of every net control station. I extend my sincere appreciation and congratulations to each and every one.

During the recent Simulated Emergency Tests, many of our net members participated in demonstrating that our local ARES organization, under the direction of net member K9BTP, is standing in readiness for any unexpected emergency. Congratulations to Bill, K9BTP, and to all who took part in the exercise.

KA9LER, W9ZZM, K9BTP, KA9BHK, KA9BHL, N9BDL, W9LDQ, and Mary, KA9TCE, have all functioned in a most capable way to keep the Northwoods Traffic Net one in which we are all happy to participate.

When you are in the Northwoods area, we invite you to join us on 146.34/94 at 6:30 p.m. Central time. You will find us there every evening of the year.

We take this opportunity to wish every reader of BSSS a very Merry Christmas and a Happy New Year.

73, Carl, W9JSF

SECTION MANAGER'S NOTES - OCTOBER

Richard R. Regent K9GDF
Section Manager - Wisconsin
5003 South 26th Street
Milwaukee WI 53221

Congratulations to new ATCs N9CCI, WB9FMU, WA9UVK, W9XT and WB9YSD.

KD9FC, Space Shuttle mobile communicator, passed Extra.

Amateur Television enthusiasts are AD9W and KC9NW.

New officers for Wisconsin Chapter BCWA: Chairman W9VQD; V.C. W9FPA; Sec. W9YCV; Treas. K9GDF, Directors K9UTQ, W9IEM, K9YHO.

West Allis RAC Midwinter Swapfest January 11th at 4-H Forum, Waukesha Expo. See you at the ARRL table.

ARRL/VEC test on January 25th by Central Wisconsin RA, for info contact W9JW or K9UTQ.

Silent Keys K9DD, W9DKH and AE9W.

Eau Claire ARC held two-day exposition for Amateur Radio with 20 members using several modes.

The Novice Roundup begins the end of January, let's all help them at their stations or on the air.

I've been busy writing the Technical Coordinator, Assistant Technical Coordinator, Public Speaking, and How to Write chapters for the new ARRL Field Services Manual, and rewriting the Emergency Communications Chapter for the 1986 ARRL Operating Manual.

CAND REPORT FOR OCTOBER 1985 X 672 MESSAGES IN 31 SESSIONS X D9RN REP 100% X WISCONSIN STATIONS W9CBE W9IEM WA9WYS W9ODV - JERRY W5KLV NM.

UNDER 50 TRAFFIC REPORTS - OCTOBER

W9LDO 48; W9DHT 47; W9FDY 44; W9ODV 37; K9FHI 35; WA9YVC 32; K69B 30; W9JSW 29; K9UTQ 27; W9DCF 26; K9JPS 23; K9BED 22; WB9NRK 20; WB8RGE 17; W9UW 8.

SECTION MANAGER'S NOTES

November 1985

Rich Regent K9GDF
Section Manager WI
5003 South 26th Street
Milwaukee WI 53221

New ATCs W9FSH and KD9PR. New OBS NI9D.

The Madison DX Club is now ARRL affiliated.

Please contact KA9FOZ if your club needs information about the ARRL.

Special PSNR certificate to WD9IID for qualifying 12 consecutive months.

W9SNK awarded for 60 years of loyal ARRL membership.

Welcome to W9CXY on returning to CW - traffic nets after being off for a while to recover his good health.

Congratulations to KA9BAE, son of past SM K9FHI, for passing his General.

W9YCV received coveted QSL after three robot channel QSOs with RS-5 and now proudly displays it with his RS-7 robot QSL.

W9YT and W9YCV are now on Packet Radio.

Have questions about Packet Radio? Write to Wisconsin Amateur Packet Radio Association, P.O. Box 1215, Fond du Lac WI 54935.

Wisconsin Experimental Radio Association has new repeater in new Berlin on 449.85/444.85 MHz with WB9TRO perfecting its operation.

W9WI, ATC in Madison, designed a CW keyboard for a blind Ham, constructed a bulletin board system at W9YT, and refined his homemade ATV setup.

Latest Wisconsin member of QCWA is K9BED.

ARRL VEC exams in Stevens Point on March 8th, contact N9JW.

Got any Ham Radio news? Let our Public Information Officer, K9ZZ, in on the news details.

Let me know about your Ham Radio events at least three months in advance so they can be listed in this column or so I can plan to visit them.

WA9HXM, Steve, was seen leaving a swapfest tightly holding an old portable sewing machine he acquired - should we be needing Steve about taking up sewing as another hobby?

D9RN REPORT FOR NOVEMBER 1985 X 434 MESSAGES IN 1134 MINUTES X 60 SESSIONS X WISCONSIN 97 PERCENT X STATIONS KA9RII W9ODV W9CBE W9IEM WA9WYS KC9CJ N9EAX WD9FRI KA9OBP WB9PKL X 73 - DALE WA4JTE NM

CAND REPORT FOR NOVEMBER 1985 X 832 MESSAGES 30 SESSIONS X D9RN 100 PERCENT X WISCONSIN STATIONS W9ODV WD9FRI KC9CJ W9CBE W9IEM JERRY W5KLV NM

9RN CYCLE 4 REPORT NOVEMBER 1985 QNI 353 QTC 449 QTR 1139 MINUTES IN 58 SESSIONS WITH PARTICIPATION 99 PERCENT STATIONS N9AUG W9CBE KC9CJ N9CLF W9CXY K9GDF WB9ICH KA9OBP K9UTQ W9YCV X 73 - PEGGY W9JUI NM

TRAFFIC UNDER 50 POINTS

(November) K9FHI 48; K9UTQ 47; N9BCX 46; NB9H 35; WB9JSW 30; KF9K 25; K69B 25; K9BED 19; WB8RGE 7; W9UW 3; WB9NRK 3. (October) NB9H 19.

EPITAPH OF THE LITTLE BROWN BOTTLE

I open my bottle into the air,
And all you bystanders should beware.

For if you breathe what it contains,
You might approach with great constrain.

It will repel your sense of smell,
As to their knees so many fell,

Begging me to replace the cap,
Lest they take an eternal nap.

If this vessel should ever break,
A lot of lives would be at stake.

If you don't run especially fast,
Your next breath could be your last.

If you don't care, or feel brave,
It might send you to an early grave.

So, be aware, the facts are true,
This little brown bottle is a BIG P.U.!

-K9UTQ



The Wisconsin Packeteer

Newsletter Notes



GENERAL PACKET MEETING CALLED-W.A.P.R.

As a result of the steering committee meeting held in November, it was tentatively decided to hold a general meeting of the membership and all interested amateurs radio operators on January 11, 1986. It had been suggested by most of the attendees that it be held in conjunction with a scheduled swapfest.

It was appropriate to ask the sponsor of the WARAC swapfest if this meeting could be held at their affair. Shortly after the contact, Dave Knaus, WA9POV contacted W.A.P.R. to confirm that a meeting room would be available for the meeting at the West Allis Radio Amateur Club, Inc. swapfest.

This room will be available at approximately 1:00 P.M. following the completion of amateur exams, and will be on the North side of the Arena building (round building). There is a walkway between the Forum buildings, where the swapfest is being held, and the Arena, which is the exam/meeting location. There is another activity scheduled in the Arena that day so the meeting attendees will have to use the doors on the North side of the Arena. The time allotted for the meeting may be limited, so we should be on time so we can start as soon as possible. Also listen for further announcements on the PA system.

Our sincere thanks to WARAC for providing this opportunity for the packet meeting, and we will look forward to a big turn-out for both the swapfest and the meeting.

ADVANCE TICKETS AND TABLE RESERVATIONS can be arranged by mailing to: WARAC SWAPFEST, P.O. BOX 1072, MILWAUKEE, WI. 53201. Admission: \$2.00/advance, \$3.00/at door; Reserved Tables: \$3.00/4 ft. or non-reserved \$4 on 1st come-1st served basis.

"PACKET PUBLICATIONS"

- 1.) PACKET STATUS REGISTER QUARTERLY, is the official publication of TAPR. If you are interested in their membership and PSR subscription write:
Tuscon Amateur Packet Radio Corp.
P.O. Box 22888
Tuscon, Az. 85734
phone: 602-746-1166
- 2.) GATEWAY, The ARRL Packet Radio Newsletter. This publication comes out every two weeks and brings you up-to-date reports on packet activity throughout the world. For subscription write:
ARRL
225 Main Street
Newington, Ct. 06111
- 3.) COMPUTER NETWORKING CONFERENCES 1-4, this is a combined 512 page volume of the proceedings from

the four Computer Network Conferences held between 1981 and 1985, plus the first full year of "GATEWAY". This is noted to be the "PIONEER PAPERS ON PACKET RADIO". To purchase, also write the ARRL.

4.) PAST MAGAZINE ARTICLES:

QST:

- "The Making of an Amateur Packet-Radio Network", Oct. 1981, by W4RI and KBMMO.
- "What's All This Racket About Packet", July 1985, by NK6K
- "A Closer Look at Packet Radio", August 1985, by NK6K

73:

- "The Packet Radio Revolution", December 1978, by VE2PY
- "Join the Packet-Radio Revolution", September 1983, by WA7GXD
- "Join the Packet-Radio Revolution-Part 11", October 1983, by WA7GXD
- "Join the Packet-Radio Revolution-Part 111", January 1984, by WA7GXD

Ham Radio:

- "An Introduction to Packet Radio", June 1979, by VE2BEN
- "Amateur Packet Radio: Part 1", July 1983, by & KV7B & WA7GXD
- "Amateur Packet Radio: Part 2", August 1983, by KV7D & KV7B & WA7GXD

Micro Cornucopia:

- "Packet Radio", June, August, October, 1983, by WB9FLW

5.) ANNOUNCING PACKET RADIO MAGAZINE

Reported by N9EVI & WA9SDU, and authored by Gwyn Reedy/W1BEL

Beginning in January, the FADCA > BEACON will become PACKET RADIO MAGAZINE. The publication will feature:

- * Larger, Clearer type
- * All pages stapled, booklet style
- * A two color cover on heavy stock
- * more pages, more news, more ads
- * Sections devoted to news from other areas of SOUTHWEST and other parts of the country.

The purpose of the change is to allow this publication to better serve those readers and potential readers outside of Florida. Organizations smaller than FADCA will be able to have a large monthly publication for their members that includes a locally produced section. Good technical and operational news will be uniformly available to a broader group of packeteers. In effect, FADCA will publish a "group newsletter" for all those organizations that desire to participate, and all concerned will be able to share in the reduced costs

of quantity printing and a broader selection of authors. If you think your organization could benefit from participating in this venture, contact FADCA at 812 Childers Loop, Brandon, FL 33511 for further details.

"LEGISLATIVE THREAT TO PACKET"

Synopsis of "The Westlink Report/Re:Revise Privacy Act" * November 15, 1985 * The Cellular Telecommunications Industry Association (CTIA) has lobbied hard and long to sell House Bill HR-3378 and Senate Bill S-1667. The bills are called the "Electronic Communications Privacy Act of 1985" and was originally proposed to stop computer hackers from violating the security of data processing systems. The CTIA latched onto the proposal and pushed for amendments. Now the bills are designed to make any form of monitoring of telephone calls, data communication, or radio communications into a crime (with some uncertain exceptions). This is done in the spirit of selling privacy to car phone users. However, CTIA insists that the monitoring of Amateur Radio autopatch be made illegal unless you are a party of the conversation, and demands that the FCC set aside specific subbands for ham autopatch to operate in "total security". Another source indicated that CTIA has also become aware of HF phonepatching, RTTY, Packet, Astar and other so-called special modes and modified it's demands to place a "security of communications blanket" over these modes also. Word from Washington has it that these cellular interests have taken a hard position on the "amateur radio proposals" to be "a non-negotiable point".

LET'S UNITE AMATEURS, DON'T WAIT FOR THE "OTHER GUY" TO DO IT, WE NEED ALL THE HELP WE CAN GET, WRITE YOUR CONGRESSMEN & SENATORS, HAVE YOUR FRIENDS DO IT TOO, TELL EVERYONE, PUT ON BBS, MSD, ANYWHERE IT WILL PASS INFORMATION, THE ONLY WAY WE WILL WIN THIS WAR IS IF WE (VOTERS) OUTNUMBER THE OPPONENT. MOST CONGRESSMEN & SENATORS HAVE 800 NUMBERS, CALL AND GET THEIR ADDRESSES & WRITE. 800 INFORMATION IS 1-800-555-1212...CALL TODAY.

ARE YOU GOING TO JOIN THE PACKET REVOLUTION ?

(Packet questions and answers for the guy still on the fence !!!)

Q. What is Packet Radio?

A. Packet radio is one of the newest forms of digital communications available to amateurs. Data (digital characters) are sent and received in chunks or "packets" with each one getting to its destination error free. Packet radio links your personal computer with your amateur radio so that you can send digital information to other hams without error. The leader in the development of packet radio is the Tucson Amateur Packet Radio Corp. (TAPR).

Q. Who can use Packet Radio?

A. Any amateur radio operator with a technician class license or higher can operate on packet. Packet is authorized on almost every band.

Q. What kind of things can be done on packet?

A. Packet radio can connect you with other hams for casual communications, link you to bulletin boards, be used to send traffic through the NTS, handle messages during an emergency, remotely control other stations, and much more. All this can be done directly between stations, relayed through other packet stations, Oscar 10, or over the HF bands.

Q. What kind of equipment is needed to get on packet?

A. The minimum equipment needed to operate packet radio is a computer terminal or personal computer with an RS-232 interface, an amateur radio (2 meter FM is currently the most popular), and a packet radio Terminal Node Controller (TNC).

Q. What is a TNC?

A. A TNC is a stand alone microcomputer dedicated to handling the details of communicating in the packet mode. It connects your terminal or personal computer to your amateur radio which in turn connects you to other similar packet stations. It encodes information from your terminal or PC into a form which can be transmitted by your radio. It also decodes packet signals received from other packet stations.

Q. Where can I get a TNC?

A. TAPR is no longer manufacturing Terminal Node Controllers. They have sold the manufacturing rights to other companies to produce them so they can concentrate their efforts to research and development for future packet technology. Applied Digital Technology, Kantronics, AEA (Advanced Electronic Applications), Heathkit (Heath Co.), and GLB Electronics, Inc. are among the companies manufacturing packet controllers or kits necessary to get into packet radio. Most all amateur radio retailers sell some sort of tnc, or several of them.

Q. Will my TNC remain compatible with progressing packet technology?

A. Yes it will. Even though other tncs will be developed, your tnc will still remain compatible because the protocol used to communicate between stations will remain the same. Improvements will be implemented through reprogramming the eeproms.

NOTE Most of this Q & A was supplied by Applied Digital Technology and by WA9SOU for your assistance. You can also rely on most of your ham society to help get under way in packet. Wisconsin has an association you can turn to for assistance, it is known as:

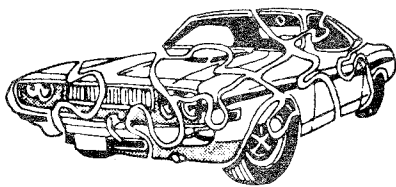
"Wisconsin Amateur Packet Radio Association" (WAPR)
P.O. Box 1215
Fond du Lac, WI. 54935

Write for details or membership.

If anyone in the Madison area is interested in the WABDED firmware, I have a copy. I do not have facilities for copying it myself, but suspect John, WA9SOU could be talked into making copies if anyone wants them. Unfortunately, I haven't been able to try it myself, as I still haven't heard from TAPR on updating my BETA TEST. John's tried it & says it has some interesting features.

--Doug W9WI

Badger State Boosters



P & B AUTO PARTS

P. O. BOX 190 133 WATER ST.
BARABOO, WISCONSIN 53913



RHYME SUPPLY INCORPORATED

122 EAST COOK STREET PORTAGE, WIS.

COMPLETE LINE OF OFFICE MACHINES - FURNITURE - COMPUTERS

TELEPHONE
608-742-3747-5371

KEN HUTLER



PIERCE'S Supper Club

LUNCHEONS • DINNERS
Your Favorite Cocktail
Private Rooms For
Weddings - Parties
Banquets - To 300 +
Business Meetings

FOR RESERVATIONS

Call 356-5122

Bus. U.S. 12 - Circus City - BARABOO



COUNTRY MARKET

TOTAL DISCOUNT FOODS
935 8th Street • Box 90
Baraboo, Wisconsin 53913
356-2106

We Buy Aluminum Cans



Where the customer is the company

BARABOO FARMERS UNION

CO-OP

Feed, Seed, Fuels, Farm Supplies

BARABOO, WISCONSIN
356-6636



The
Performance
Company

TURNER'S Broadway Liquor Mart And Self-Serve

Beer • Liquor • Wine

GAS

805 Broadway

Baraboo, Wis. 53913

356-9488

Baraboo Floral Company

1406 East Street

BARABOO, WISCONSIN 53913

FLOWERS FOR ALL OCCASIONS

BUY FROM A GROWER

We wire flowers almost everywhere

PHONE 356-5336 - WE DELIVER



Giegerich's Sons Inc.

514 Park Avenue
PRAIRIE DU SAC, WISCONSIN 53578

"Sauk Prairie's Quality Printers
and House of Office Supplies"

LEISURE WORLD

125 Fourth Street

KA9LUT Baraboo, Wis. 53913
356-5280

BETA AND VHS MOVIE RENTALS

VIDEO CASSETTE RECORDERS

T. V.—RADIOS—COMPUTERS & SOFTWARE

T. V. & RADIO REPAIR

CAR STEREO SALES & INSTALLATION

TROYER *Rexall* DRUGS

JACK D. TROYER, R.P.H. DAVID M. FUHS, R.P.H.

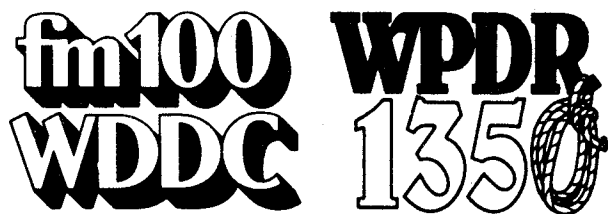
106 - 4th AVE. PHONE 356-4964

BARABOO, WISCONSIN

"Good Health Is Our Business"

WE MAINTAIN A COMPLETE RECORD OF ALL
YOUR FAMILY'S PRESCRIPTION PURCHASES

Badger State Boosters



PORTAGE, WI



Since 1954



AFFILIATED WITH



THE ORIGINAL MIDWINTER SWAPFEST

WAUKESHA EXPOSITION CENTER
HIGHWAYS F & FT
WAUKESHA, WISCONSIN

WARRAC SWAPFEST
P.O. Box 1072
MILLWAUKEE, WISCONSIN 53201



Radio Shack

VODAK TV SALES

COLOR TV - B & W TV
TOP TUNES - RECORDS - LP - STEREO
TV ANTENNA SYSTEMS - CB - SCANNERS

We Stock
COMPUTERS
VCR's

Antenna Wire and Insulators
Coaxial Cable and Connectors
Coaxial Adapters

404 Oak Street

PHONE 356-6666

BARABOO, WIS. 53913

We now sell & install Satellite TV systems

HAM IT UP EVERY SPRING

MADISON SWAPFEST

DANE COUNTY EXPO CENTER
FORUM BUILDING

Sponsored By MARA WB9AER

Box 3403 - Madison, Wis. 53704

AMATEUR ELECTRONIC SUPPLY®

4828 W. Fond du Lac Avenue
Milwaukee, WI 53216
Phone: (414) 442-4200

Wisconsin WATS: 1-800-242-5195
(Call TOLL FREE outside of Milwaukee Metro area)

HOURS: Mon. thru Fri. 9-5:30; Sat. 9-3

SOUTH MILWAUKEE AMATEUR RADIO CLUB

SWAPFEST

July 13, 1985
(Held Every July)

American Legion Park
Shepard Ave. Oak Creek, WI

South Milwaukee ARC

P. O. Box 102

South Milwaukee, WI 53172



SUPERMARKETS INC.

When in the Area Shop Our Baraboo, Portage
North, Portage Downtown, Pardeeville and
Fox Lake Wisconsin Stores.

SUPPORT YOUR LOCAL AMATEUR RADIO
CLUB — JOIN TODAY!

Riverland Electric Co.

Commercial - Residential - Industrial

KEN WEIGEL
783-4967

W6465 Juline Way
Onalaska, WI 54650

608-742-8345

Portage, WI 53901

SAM'S

"Radio Shack"
DEALER

THE BIGGEST NAME IN LITTLE COMPUTERS®

Wide Selection of Electronic Parts

Northridge Shopping Center

Hwy. 51 North



SCHERSCHEL
CAMERA
SHOP

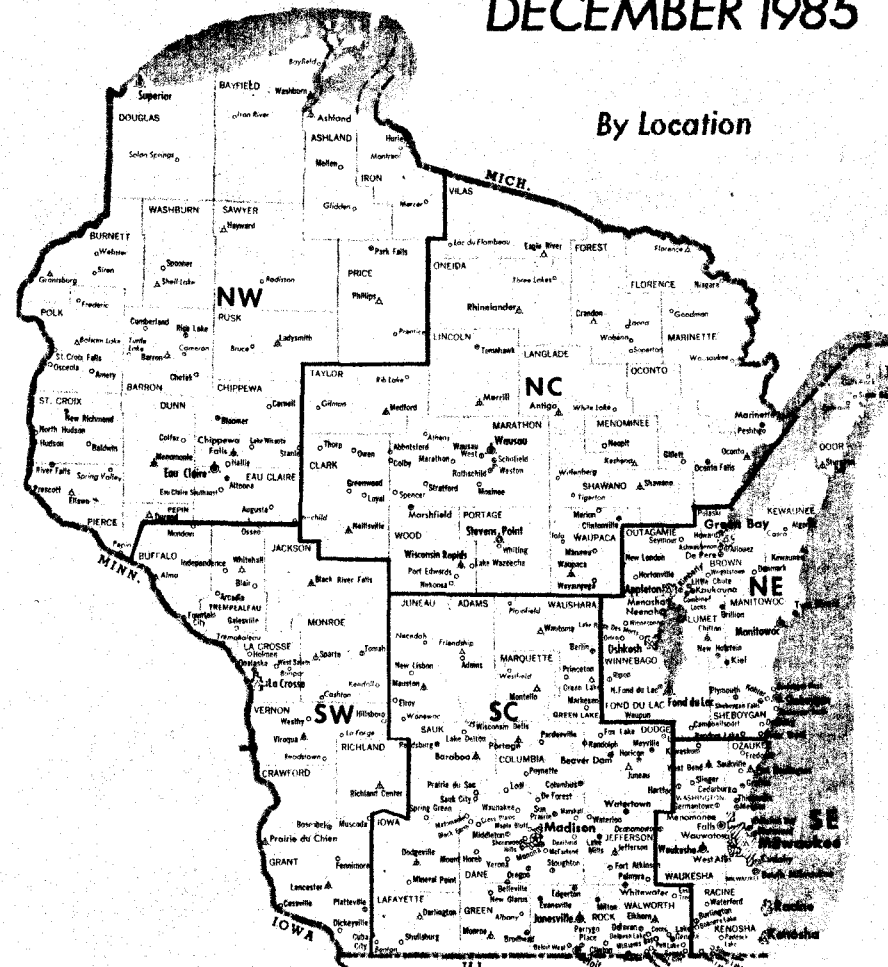
EVERYTHING PHOTOGRAPHIC
129 FOURTH ST. - BARABOO, WI 53913 - (608) 356-9165

Location	Rg	Input	Output	Call	Access	Sponsor
NEW LONDON WI	NE	146.025	146.625	WB9ICH/R	PL	WB9ICH
OSHKOSH WI	NE	147.840	147.240	WB9TDR/R	O B A E Z	WINNEBAGO CTY. EG
OSHKOSH WI	NE	147.345	147.945	KC9NH/R	O PL A EZ	S.O.L.A.R. ASSN.
PARK FALLS WI	NC	147.600	147.000	WB9WHP/R	O	PRICE CO. RP ASN
PEPIN WI	NW	144.750	145.350	KB9S/R	O	KB9S
PEWAUKEE WI	SE	147.810	147.210	WA9CQV/R	O	WA9CQV
PORT WASHINGTON WI	SE	146.370	146.970	W9CQO/R	T3 Z911	OZAUKEE RADIO CLUB
RACINE WI	SE	147.870	147.270	W9UDU/R	O A	LAKE SHORE RP ASN
RACINE WI	SE	448.950	443.950	KA9JMK/R	O	KA9JMK
RHINELANDER WI	NC	146.340	146.940	W9ZZZ/R	O	RHINELANDER RP ASN
RHINELANDER WI	NC	147.630	147.030	W9ZZZ/R	O	
RHINELANDER WI	NC	147.900	147.300	W9ZZZ/R	O	
RICE LAKE WI	NW	144.510	145.110	WA9CXN/R	O	WA9CXN
RICE LAKE WI	NW	147.630	147.030	WB9WFG/R	O	BARRON CO. ARES
RICHLAND CENTER WI	SW	146.310	146.910	WA9WCZ/R	O PL	PINE VALLEY RP ASN
ROBERTS WI	NW	147.930	147.330	KA9CIF/R	O A E	ST. CROIX VAL. R.A.
RUBICON WI	SC	144.750	145.350	WB9KPG/R	O A	WB9KPG
SALEM WI	SE	222.120	223.720	N9BBQ/R	O	N9BBQ
SCHOFIELD WI	NC	144.630	145.230	WB9JGA/R	O	WB9JGA
SHAWANO WI	NC	144.750	145.350	WA9BZW/R	O	WA9BZW-N9DGL-KA9NWY
SHEBOYGAN WI	NE	144.510	145.110	KR9S/R	C	SHEBOYGAN CTY DX ASN
SHEBOYGAN WI	NE	147.660	147.060	W9RF/R	O A	SHEBOYGAN ARC
SHEBOYGAN WI	NE	223.340	224.940	WB9RWS/R	O A	WB9RWS
SIREN WI	NW	147.900	147.300	W0FBN/R	O	NORTHWEST RP ASN
SISTER BAY WI	NE	147.780	147.180	W9QBJ/R	O	WA9PFQ-W9QBJ-EM GVMT
SLINGER WI	SE	146.130	146.730	W9MQD/R	O B1200	WASHINGTON CO RP GRP
SOUTH MILWAUKEE WI	SE	144.630	145.230	WA9TXE/R	PL	SO MILW ARC (PROP.)
STEVENS POINT WI	NC	144.570	145.170	KD9NV/R	O A EZ911	KD9NV
STEVENS POINT WI	NC	146.070	146.670	WB9QFW/R	O A	CENT. WI RADIO AMA.
STEVENS POINT WI	NC	146.385	146.985	W9NN/R	O	CENT. WI RADIO AMA.
STEVENS POINT WI	NC	448.950	443.950	K9MIF/R	O PL T	K9MIF
STURGEON BAY WI	NE	146.130	146.730	WB9YUY/R	O	WA9PFQ & WB9YUY
STURGEON BAY WI	NE	147.810	147.210	W9AIQ/R	OB1800AER	DOOR CTY EMER GOVT
STURGEON BAY WI	NE	449.000	444.000	WB9YUY/R	O	WB9YUY & K9GOZ
STURTEVANT WI	SE	29.540	29.640	WA9ZYU/R	O	WA9ZYU
STURTEVANT WI	SE	223.140	224.740	WA9ZYU/R	O A	WA9ZYU
SULLIVAN WI	SC	147.855	147.255	WA9VEU/R	O PL	WA9VEU
SUPERIOR WI	NW	144.890	145.490	K9ASC/R	O	DOUGLAS CO. RACES
SUPERIOR WI	NW	146.160	146.760	W9BWK/R	O	TWIN PORTS AREA RA
SUPERIOR WI	NW	146.220	146.820	WA9VDW/R	O PL A	TWIN PORTS AREA RA
SUPERIOR WI	NW	147.690	147.090	NOBZZ/R	O	
SUPERIOR WI	NW	448.850	443.850	NOBZZ/R	O	
SUPERIOR WI	NW	449.900	444.900	WA9KLM/R	O PL	WA9KLM
TOMAH WI	SW	144.790	145.390	N9BOE/R	O	N9BOE
TOMAHAWK WI	NC	144.830	145.430	N9CLE/R	O A	TOMAHAWK RPT. ASSN.
TWO RIVERS WI	NE	147.750	147.150	WB9WRT/R	O	WB9WRT
WALES WI	SE	222.540	224.140	WB9DRO/R	C	WB9DRO
WALES WI	SE	449.975	444.975	WB9DRO/R	C	WB9DRO
WAUKESHA WI	SE	144.570	145.170	K9DCK/R	C	K9DCK
WAUKESHA WI	SE	147.960	147.360	WB9WRW/R	O A	WB9WRW-ARES
WAUKESHA WI	SE	222.580	224.180	K9DCK/R	C	K9DCK
WAUKESHA WI	SE	448.250	443.250	W9CGU/R	O	W9CGU
WAUPACA WI	NC	147.990	147.390	WA9FDC/R	O	WAUPACA ARC
WAUSAU WI	NC	144.850	145.450	WB9JGA/R	O	WB9JGA
WAUSAU WI	NC	146.040	146.640	W9SM/R	O A	WIS VAL RP ASN
WAUSAU WI	NC	146.220	146.820	W9BCC/R	O	RIB MTN RP ASN
WAUSAU WI	NC	147.660	147.060	W9KRY/R	O	W9KRY
WAUSAU WI	NC	222.700	224.300	K9DB/R	O E	CENTAUR
WAUSAU WI	NC	223.140	224.740	WB9JGA/R	O	WB9JGA
WAUSAU WI	NC	439.250	421.250	AD9W/R	O E	VIDEO
WAUSAU WI	NC	448.750	443.750	KC9NW/R	O	KC9NW
WAUSAU WI	NC	449.300	444.300	W9BCC/R	O E	W9BCC
WAUSAU WI	NC	449.700	444.700	KC9NW/R	O E	KC9NW
WEST BEND WI	SE	147.780	147.180	WA9THF/R	C	WA9THF-WA9HFB
WILMOT WI	SE	448.925	443.925	KC9XN/R	O PL2A	LAKE/KENOSHA AMA SOC
WIND LAKE WI	SE	52.330	53.330	N9DIR/R	O	N9DIR
WISCONSIN RAPIDS WI	NC	146.190	146.790	W9DQA/R	O	MID-STATE RP ASN
WISCONSIN RAPIDS WI	NC	147.930	147.330	K9PJB/R	O Z911	WIS. AIRWAYS RP ASN



REPEATER LIST DECEMBER 1985

By Location



Reprinted and furnished by Badger State Smoke Signals

December 1985

Wisconsin Sub-Audible Tone Plan By Region
 North Central - 2A
 North East - 1B
 South Central - 3Z
 South East - 3A
 North West - 2Z
 South West - 3B

WISCONSIN ASSOCIATION OF REPEATERS is an organization of trustees and representatives of repeaters, state-wide, whose goal is mutual cooperation on the VHF UHF spectrum, in the spirit of Amateur Radio.

GENERAL FREQUENCY COORDINATION POLICIES

1. We attempt to place no two repeaters on the same pair closer than 120 miles.
2. We attempt to place no repeater on a 15 kHz split pair closer than 30 miles to any adjacent 30 kHz standard spacing machine.
3. We not only assist proposed repeaters in finding a frequency where possible, but we actively attempt to protect existing repeaters' frequencies from interference whenever possible.
4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications to existing repeaters. Contact the Frequency Coordinator.

Nels Harvey, WA9JOK
Wisconsin Association of Repeaters
P.O. Box 23928
Milwaukee, WI 53223

O	Carrier Access	B	Burst
PL	Sub-Audible Continuous Tone	T	Touch-Tone
W	Whistle	C	Closed Private Repeater
A	Autopatch	(CA)	Closed Private Autopatch
E	Emergency Power	L	Link and/or Crossband
P	Portable	R	RACES Affiliated
Y	RTTY/ASCII	Z	Autopatch to Law Enforcement
PAC	Packet Data Exchange		

Wisconsin Sub-Audible Tone Plan By Region

North Central - 2A	North East - 1B	North West - 2Z
South Central - 3Z	South East - 3A	South West - 3B

Location	Rg	Input	Output	Call	Access	Sponsor
ADAMS WI	SC	144.770	145.370	K9PJB/R	O	WIS. AIRWAYS R. A.
ALLENTON WI	SE	146.175	146.775	KA9HLP/R	O PL	HELPCOM LTD.
ALLENTON WI	SE	449.350	444.350	WA9THF/R	O	WA9THF
ALMOND WI	NC	144.810	145.410	KB9QL/R	C	ALMOND RPTR CLUB
APPLETON WI	NE	144.610	145.210	KB9IE/R	O PL	PRES GRANT RP ASN
APPLETON WI	NE	146.160	146.760	K9QQO/R	O E	FOX VALLEY VHF ASN
ARCADIA-ETTRICK WI	SW	146.340	146.940	W9LZQ/R	O	TRI-STATE RP ASN
BALDWIN WI	NW	144.530	145.130	K9HQC/R	O Z911	ST. CROIX CTY. CD
BALDWIN WI	NW	147.930	147.330	K9HQC/R		
BARABOO WI	SC	146.280	146.880	WA9WVE/R	O PL	CENTRAL WIS RP ASN
BARABOO WI	SC	147.960	147.360	WB9SVL/R		WB9SVL (PROPOSED)
BAYFIELD WI	NW	146.010	146.610	W9NSS/R	O	NORTHLAND ARC
BELOIT WI	SC	146.070	146.670	WA9JTX/R	O	BELOIT ARC
BELOIT WI	SC	222.700	224.300	WB9UBM/R	O A Z	C.B.S. RPTR GRP.
BERLIN WI	SC	448.850	443.850	N9AOZ/R	O A	N9AOZ
BURLINGTON WI	SE	146.145	146.745	WD9IGV/R	O PL	HONEY LAKE HAMS R.G.
BURLINGTON WI	SE	222.460	224.060	N9BBQ/R	O PL A E	SE WIS E R S
CHIPPEWA FALLS WI	NW	146.280	146.880	WA9PAM/R	O	WA9PAM
CHIPPEWA FALLS WI	NW	449.350	444.350	WA9PAM/R	O Z911	WA9PAM
DELAFIELD WI	SE	146.220	146.820	W900W/R	O A E	SEWFARS
DELEVAN WI	SE	448.450	443.450	WD9IAC/R	O	DELEVAN RPTR GROUP
DORCHESTER WI	NC	144.670	145.270	WA9CZO/R	O A	
EAGLE RIVER WI	NC	144.530	145.130	KD9PT/R	O PL A	KD9PT
EAU CLAIRE WI	NW	146.310	146.910	K9UXP/R	O A E	EAU CLAIRE ARC
EAU CLAIRE WI	NW	147.840	147.240	K9EC/R	O	EAU CLAIRE ARC
ELKHORN WI	SE	146.265	146.865	WA9AJW/R	O A	WALWORTH CO. ARES
FOND DU LAC WI	NE	147.690	147.090	WD9ESH/R	O A E	FOND DU LAC ARC
FOND DU LAC WI	NE	222.140	223.740	WA4COY/R	O B A	WA4COY
FOND DU LAC WI	NE	449.150	444.150	WA4COY/R	O B A	WA4COY
FORT ATKINSON WI	SC	222.820	224.420	N9DTV/R	C	N9DTV
FRANKLIN WI	SE	449.625	444.625	K9WQC/R	C	K9WQC
FREDONIA WI	SE	449.000	444.000	WB9NSZ/R		WB9NSZ (PROPOSED)
GRAFTON WI	SE	144.790	145.390	W9HRQ/R	O A	W9HRQ
GRAFTON WI	SE	448.900	443.900	WB9WSH/R	O A	WB9WSH
GREEN BAY WI	NE	147.720	147.120	K9GB/R	O B PL	NE WIS VHF SOCIETY
GREEN BAY WI	NE	147.870	147.270	KC9NT/R	O	KC9NT
GREEN BAY WI	NE	147.960	147.360	K9EAM/R	O A	NE WIS VHF SOCIETY
GREEN BAY WI	NE	222.340	223.910	WA9SXM/R	C	
GREEN BAY WI	NE	222.540	224.140	KZ90/R	O	KZ90
GREEN BAY WI	NE	222.620	224.220	K9JQE/R	C	K9JQE
GREEN BAY WI	NE	448.750	443.750	WD9EGE/R	O PL	WB9KOA
GREEN BAY WI	NE	449.200	444.200	WB9VJV/A	C	WB9VJV

Location	Rg	Input	Output	Call	Access	Sponsor
GREEN BAY WI	NE	449.500	444.500	WB9TAE/R	O	WB9TAE
GREEN LAKE WI	SC	146.955	146.355	KB9WC/R	O	GREEN LAKE CO. ARC
GREENDALE WI	SE	449.900	444.900	N9CFG/R	O	N9CFG
GREENFIELD WI	SE	53.880	52.880	WB9WKR/R		GREENFIELD 6'RS
HAYWARD WI	NW	147.810	147.210	W9DLY/R	O	WILD RIVERS ARC
HERTEL WI	NW	221.880	223.480	WB9RAY/R	O A	
HERTEL WI	NW	448.500	443.500	WB9RAY/R	O A	
IRMA WI	NC	146.130	146.730	K9GTQ/R	O	K9GTQ
JANESVILLE WI	SC	144.850	145.450	WD9ACY/R	O A	ROCK AMA TELE SYSTEM
JEFFERSON WI	SC	144.890	145.490	W9MQB/R	O	TRI-COUNTY ARC
JUNEAU WI	SC	146.040	146.640	W9TCH/R	O A E	ROCK RIVER RC
KENOSHA/RACINE WI	SE	147.075	147.675	WA9YTH/R	O A E	WA9YTH
KENOSHA/RACINE WI	SE	222.860	224.460	WB9LST/R	O PL A	WB9LST
LA CROSSE WI	SW	146.160	146.760	K9CUT/R	O	LA CROSSE RP ASN
LA CROSSE WI	SW	147.810	147.210	N9BRA/R	O A	N9BRA
LA VALLE WI	SC	144.870	145.470	W9EBF/R		W9EBF
LA VALLE WI	SC	447.400	442.400	W9EBF/R		W9EBF
LAC DU FLAMBEAU WI	NC	146.070	146.670	N9ADA/R	O PL	N9ADA
LAKE GENEVA WI	SC	449.525	444.525	WB9TNI/R	C	WB9TNI
LODI WI	SC	147.825	147.225	K9EYI/R	O E	
MADISON WI	SC	146.685	146.085	W9TYT/R	O PL A	UW-BADGER ARS
MADISON WI	SC	146.160	146.760	WB9AER/R	O B A E	MADISON AREA RP ASN
MADISON WI	SC	146.340	146.940	W9FZC/R	O	CENTRAL WIS RP ASN
MADISON WI	SC	147.750	147.150	WB9AER/R	O B A E	MADISON AREA RP ASN
MADISON WI	SC	222.220	223.820	WB9RSQ/R	O A	WB9RSQ
MADISON WI	SC	222.940	224.540	W9WI/R	O	W9WI
MANITOWOC WI	NE	144.590	145.190	WB9MFB/R	O	WB9MFB-WB9DQD
MANITOWOC WI	NE	146.010	146.610	W9DK/R	O B1477	MANICORAD RP ASN
MANITOWOC WI	NE	147.630	147.030	WB9ESM/R	O A	WB9ESM
MARINETTE WI	NC	147.600	147.000	W8PIF/R	O	M & M PUB. SERV. RC
MARSHFIELD WI	NC	147.780	147.180	W9FYP/R	O	MARSHFIELD ARS
MAUSTON WI	SC	146.250	146.850	W9EJD/R	O	ARC OF CENTRAL WIS.
MEDFORD WI	NC	147.750	147.150	WA9ZPC/R		WA9ZPC
MENASHA WI	NE	144.730	145.330	WB9ANR/R	PL	PRES GRANT RP ASN
MENASHA WI	NE	222.900	224.500	WB9ANR/R	O	PRES GRANT RP ASN
MENASHA WI	NE	448.650	443.650	WD9ITB/R	O	PRES GRANT RP ASN
MENOMONIE WI	NW	146.010	146.610	K9HJT/R	O	RED CEDAR RP ASN
MILTON WI	SC	146.715	146.115	WD9FKW/R	O	WD9FKW
MILTON WI	SC	449.000	444.000	K9RIJ/R	O	K9RIJ
MILWAUKEE WI	SE	29.520	29.620	WB9ZRB/R	O	IND RP SYS (PROP.)
MILWAUKEE WI	SE	29.580	29.680	N9DVF/R	O	N9DVF
MILWAUKEE WI	SE	52.080	52.680	WB9ZRB/R	O	IND RP SYS
MILWAUKEE WI	SE	52.800	52.200	WB9TRO/R	O	WB9TRO
MILWAUKEE WI	SE	144.530	145.130	N9EGR/R	O PL A EZ	MILWAUKEE AREA ARS
MILWAUKEE WI	SE	144.650	145.250	WB9JBF/R	O	WB9JBF
MILWAUKEE WI	SE	144.670	145.270	W9FK/R	O	WEST ALLIS R A C
MILWAUKEE WI	SE	146.025	146.625	WB9ZRB/R	O	WB9ZRB
MILWAUKEE WI	SE	146.070	146.670	W9WK/R	O B E Z	MILWAUKEE CO ARES
MILWAUKEE WI	SE	146.190	146.790	W9HHX/R	O A	MSOE ARC
MILWAUKEE WI	SE	146.250	146.850	W9CGU/R	O PL3A A	MILW CO RP SOCIETY
MILWAUKEE WI	SE	146.310	146.910	WA9JOB/R	O B E	MILWAUKEE RPTR CLUB
MILWAUKEE WI	SE	147.600	147.000	WB9KYR/R	C	WB9KYR
MILWAUKEE WI	SE	147.045	147.645	WB9CSK/R	C	METRO RPTR SYS
MILWAUKEE WI	SE	147.105	147.705	K9IFF/R	C	K9IFF
MILWAUKEE WI	SE	147.135	147.735	WB9UVT/R	C	T B D R RPTR GRP
MILWAUKEE WI	SE	147.930	147.330	N9EDL/R	O	N9EDL
MILWAUKEE WI	SE	222.260	223.860	K8DJE/R	O A E	K8DJE
MILWAUKEE WI	SE	223.060	224.660	WA9HUX/R	O	EBONY KEY ARC
MILWAUKEE WI	SE	439.250	2391.250	K9JTR/R	O TV	+4.5 MHZ AURAL
MILWAUKEE WI	SE	448.150	443.150	W9CGU/R	PL2A	MILW CO RP SOCIETY
MILWAUKEE WI	SE	448.300	443.300	WB9TYT/R	PL2A	WB9TYT
MILWAUKEE WI	SE	448.550	443.550	K9HXA/A	C	K9HXA
MILWAUKEE WI	SE	448.600	443.600	WB9OWN/R	O	WB9OWN
MILWAUKEE WI	SE	448.700	443.700	WA9HUX/R		E.K.A.R.C.
MILWAUKEE WI	SE	448.750	443.750	WA9POV/R	PL2A	MILW UHF SOCIETY
MILWAUKEE WI	SE	449.200	444.200	K9HXA/A	C	K9HXA
MILWAUKEE WI	SE	449.250	444.250	N9DII/R	O PL	N9DII
MILWAUKEE WI	SE	449.300	444.300	W9WK/A	O PL	MILWAUKEE CO ARES
MILWAUKEE WI	SE	449.725	444.725	N9EDL/R	O	N9EDL
MILWAUKEE WI	SE	449.800	444.800	K9HXA/A	C	K9HXA
MILWAUKEE WI	SE	449.850	444.850	WD9GFY/R	O PL A	WD9GFY-WB9TRO-WB9HCO
MILWAUKEE WI	SE	449.875	444.875	WD9GFY/R	C	WD9GFY-WB9TRO-WB9HCO
MILWAUKEE WI	SE	449.950	444.950	N9EDL/R	O	N9EDL
NEW BERLIN WI	SE	52.050	53.050	WA9AOL/R	O E	WA9AOL
NEW BERLIN WI	SE	147.885	147.285	W9EBF/R	O	W9EBF
NEW BERLIN WI	SE	449.500	444.500	WA9AOL/R	O	WA9AOL
NEW HOLSTEIN WI	NE	147.900	147.300	WA9FBO/R	O E	WA9FBO

BADGER STATE SMOKE SIGNALS

SUBSCRIPTION INFORMATION

Dear Fellow Radio Amateur:

If you are not a regular recipient of Badger State Smoke Signals, this sample copy is to introduce our publication to you, and invite you to join our regular readers. Smoke Signals has been published monthly for over 15 years. Originally published as the club paper for the Yellow Thunder Amateur Radio Club, it has been, for the past two years, a state-wide publication.

Badger State Smoke Signals will carry current Amateur Radio news, news about YELLOW THUNDER ARC, RIVERLAND RADIO CLUB, WNA, WAPR, ARRL and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

Regular individual subscription rates:

		save over annual rate
1 year	- \$7.00 (12 issues)	-----
2 years	- \$13.00 (24 issues)	\$1.00
3 years	- \$19.00 (36 issues)	\$2.00

If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rates, a special reduced rate is available to clubs having 20 or more subscriptions per year at a rate of \$4.50 each.

Clubs wishing to participate in Badger State Smoke Signals with a column devoted to their club can receive a lower rate. Mailings must be made to the entire club membership and your club would receive a 15 percent additional complimentary mailings. (There are presently over 100 complimentary and exchange addresses on the mailing list in addition to the present subscribers.)

CLUB RATES:	Less than 50 members	\$4.20 per year
	Over 50 members	\$3.60 per year

Badger State Smoke Signals would be happy to serve your members as the official journal for your club. For information and requirements, please contact Ken Ebner, K9EN, 822 Wauona Trail., Portage, Wisconsin 53901 -- (608) 742-3560

If you are active on the traffic nets and wish to receive Smoke Signals as a WISCONSIN NETS ASSOCIATION BOOSTER please contact WNA Treasurer, Mike Hamman, KA9BHL, Rte. 5, Box 66B, Tomahawk, WI 54487 for information on how to become a WNA BOOSTER.

PACKET RADIO enthusiasts are invited to join the Wisconsin Amateur Packet Radio Association. For information contact Gary Gilbertson, WB9SDA, Rte. 1, Box 53, Brownsville, Wisconsin 53006.

-----rip here-----

Jim: Enclosed is my check/money order for \$ _____. Please enter _____ renew
my subscription to Badger State Smoke Signals for _____ years.

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

BADGER STATE SMOKE SIGNALS

Jim Romelfanger, K9ZZ, Editor
(see page two for exchange address)

.....
BULK RATE
U.S. POSTAGE
PAID
PERMIT # 265
PORTAGE WI 53901
.....

return address:
Kenneth A. Ebnetter, K9EN
822 Wauona Trail
Portage, Wisconsin 53901

K9---: "Someone stole my brief case."
W9---: "I pity your grief."
K9---: "My Smoke Signals was in it."
W9---* "I pity the thief."

--(modified with apology to W0CCT)

DATED MATERIAL -- PLEASE DON'T DELAY

FORWARDING AND RETURN POSTAGE GUARANTEED
AND ADDRESS CORRECTION REQUESTED

THIRD CLASS MAIL

WANT AD FORM

Please place the following ad in Badger State Smoke Signals.

Count 39 letters per line, including spaces and punctuation.

Please run this ad for ----- month(s).

Multiply ----- months X ----- lines at

50 cents per line = \$-----.

My payment is enclosed. Please mail this form with your
remittance to Jim Decker, WB9UQT, Keeper of the Funds, P.O. Box
337, Baraboo WI 53913-0337. --Thank you!